

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

**** SBFCA currently has operation and maintenance obligations during project construction and closeout.**

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
Inspector Comment					
Sean stated that the O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
Inspector Comment					
Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start		Rating **	A	Issue No.	6	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_LD0001S_01_s_2013_6					
Comment Code						
Inspector Comment						
Sean stated that he and the district employees attended the Flood Fight class put on by DWR and RD784 annually.						

No Photos

LM Start	0.01	Rating **	M	Issue No.	30
LM End	16.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951109 °	39.168577 °
				-121.585711 °	-121.622691 °
DWR ID	DWR_LD0001S_01_f _ 2016_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Fall 2016.					

Photo 1 of 2 : FA_2016_LD0001S_433_30_20161007_00059.jpg



View of annual grasses need to be maintained. Fall 2016.

LM Start	0.01	Rating **	M	Issue No.	30 (cont)
LM End	16.09	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_LD0001S_433_30_20161007_00061.jpg



Second view of annual grasses need to be maintained. Fall 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	0.01	Rating **	M	Issue No.	31
LM End	16.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951109°	39.168577°
				-121.585711°	-121.622691°
DWR ID	DWR_LD0001S_01_f_2016_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Fall 2016.					

Photo 1 of 2 : FA_2016_LD0001S_433_31_20161007_00062.jpg



View of annual grasses need to be maintained. Fall 2016.

LM Start	0.01	Rating **	M	Issue No.	31 (cont)
LM End	16.09	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_LD0001S_433_31_20161007_00063.jpg



Second view of annual grasses need to be maintained. Fall 2016.

LM Start	2.44	Rating **	C	Issue No.	16
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.985446 °	38.985446 °
				-121.591930 °	-121.591930 °
DWR ID	DWR_LD0001S_01_s_2015_16				
Comment Code					
MA : Material					
Inspector Comment					
Walnut hulls left on waterside of the levee have been removed and access road to the pumps re-rocked.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	2.72	Rating **	M	Issue No.	17
LM End	2.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989470 °	38.989470 °
				-121.592502 °	-121.592502 °
DWR ID	DWR_LD0001S_01_s _ 2015_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2016_LD0001S_433_17_20161007_00086.jpg



View of rodent holes on the landside crown and slope. Fall 2016.

LM Start	4.41	Rating **	M	Issue No.	21
LM End	4.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493 °	39.011493 °
				-121.603623 °	-121.603623 °
DWR ID	DWR_LD0001S_01_f_2016_21				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_LD0001S_433_21_20161007_00085.jpg



View of landside slope where vehicles have been driving up and down to go around gate. Fall 2016.

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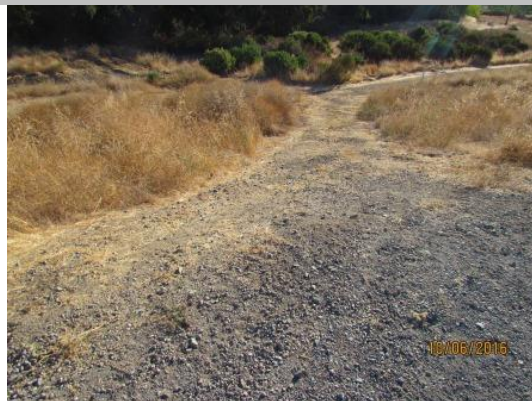
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	4.41	Rating **	M	Issue No.	36
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493°	39.011493°
				-121.603624°	-121.603624°
DWR ID	DWR_LD0001S_01_f_2016_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_LD0001S_433_36_20161007_00084.jpg



View of waterside slope where vehicles have been driving up and down to go around gate. Fall 2016.

LM Start	11.63	Rating **	M	Issue No.	42
LM End	11.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.109692°	39.109692°
				-121.607142°	-121.607142°
DWR ID	DWR_LD0001S_01_s_2016_42				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Erosion on the waterside slope caused by rain and foot traffic needs to be monitored. Fall 2016.					

Photo 1 of 2 : FA_2016_LD0001S_433_42_20160906_00015.jpg



Slope erosion due to rain on the waterside. Spring 2016.

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Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	11.63	Rating **	M	Issue No.	42 (cont)	
LM End	11.63	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			39.109692 °		39.109692 °
				-121.607142 °		-121.607142 °
DWR ID	DWR_LD0001S_01_s_2016_42					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Erosion on the waterside slope caused by rain and foot traffic needs to be monitored. Fall 2016.						

Photo 2 of 2 : FA_2016_LD0001S_433_42_20161007_00081.jpg



View of were slope erosion due has occurred due to rain and foot traffic on the waterside. Fall 2016.

LM Start	12.28	Rating **	M	Issue No.	40
LM End	12.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.118530 °	39.118530 °
				-121.603455 °	-121.603455 °
DWR ID	DWR_LD0001S_01_f_2016_40				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_LD0001S_433_40_20161007_00080.jpg



View of landside slope at access gate that has been cut into by foot traffic. Fall 2016.

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Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	13.25	Rating **	M	Issue No.	27
LM End	13.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.131827 °	39.131827 °
				-121.603233 °	-121.603233 °
DWR ID	DWR_LD0001S_01_f_2015_27				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree foliage hiding levee face/toe. Fall 2016.					

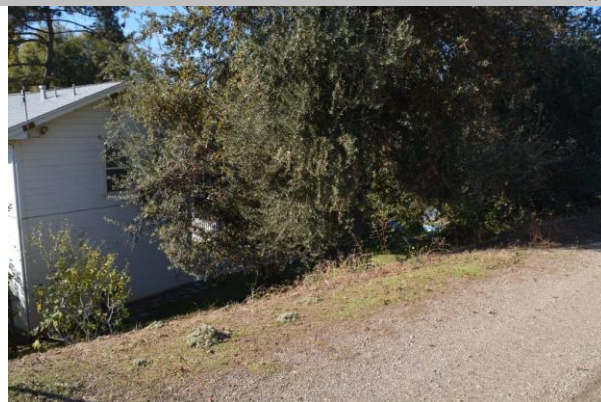
Photo 1 of 1 : FA_2016_LD0001S_433_27_20161007_00077.jpg



Tree at landside levee toe obstructing visibility. Fall 2016.

LM Start	13.34	Rating **	U	Issue No.	18
LM End	13.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.133050 °	39.133050 °
				-121.603813 °	-121.603813 °
DWR ID	DWR_LD0001S_01_f_2015_18				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Overgrown olive trees (6), buckeye (1) and oak trees (2) on slope of levee, branches touching and obscuring levee. Ivy obscuring slope.					

Photo 1 of 2 : FA_2016_LD0001S_433_18_20160906_00007.jpg



Trees and vegetation blocking visibility. Spring 2016.

LM Start	13.34	Rating **	U	Issue No.	18 (cont)
LM End	13.34	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_LD0001S_433_18_20160906_00008.jpg



Trees and vegetation blocking visibility on the landside slope of the levee. Spring 2016.

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Unit No. 01 Feather River	Right	16.11	10/04/2016 10/04/2016	Sterling York

LM Start	13.42	Rating **	U	Issue No.	24
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134119 °	39.134119 °
				-121.604213 °	-121.604213 °
DWR ID	DWR_LD0001S_01_f _ 2015_24				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Vegetation on the chainlink fence obscuring visibility. Oleander on the levee.					

Photo 1 of 2 : FA_2016_LD0001S_433_24_20160906_00011.jpg



Trees and vegetation blocking visibility on the landside toe of the levee. Spring 2016.

LM Start	13.42	Rating **	U	Issue No.	24 (cont)
LM End	13.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_LD0001S_433_24_20160906_00012.jpg



Trees and vegetation blocking visibility. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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